OIPE
JAN 26 2004
PATENT & TRADEMARK OFFICE

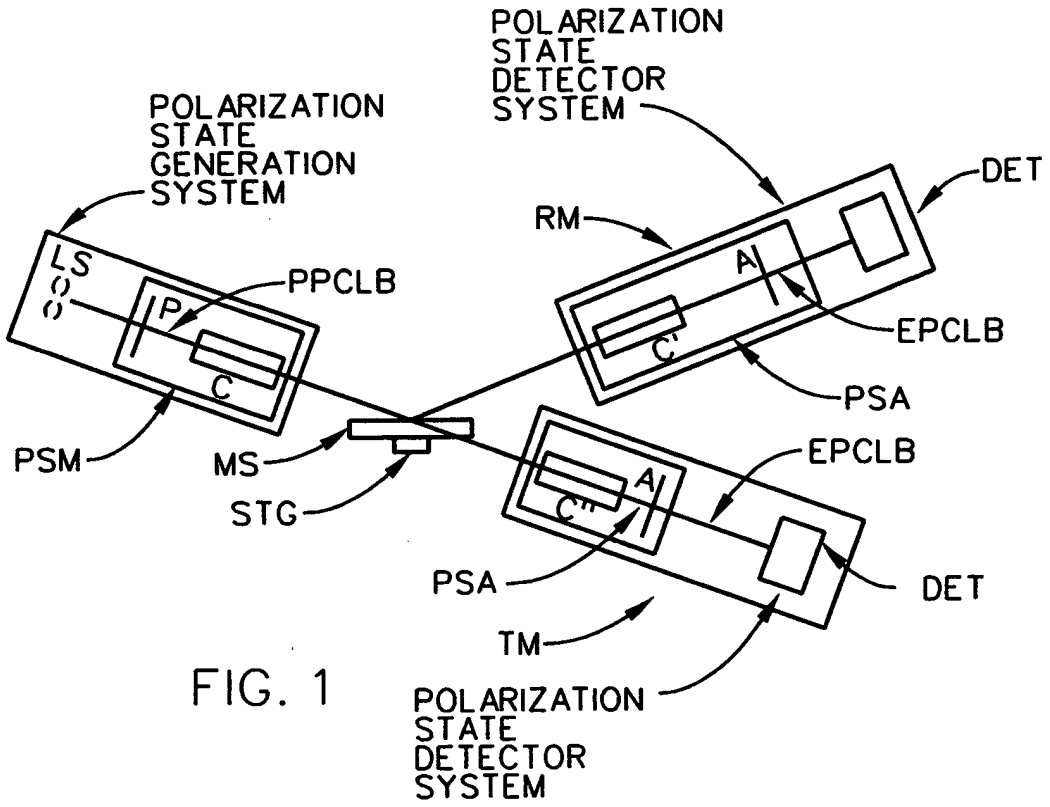

FIG. 1

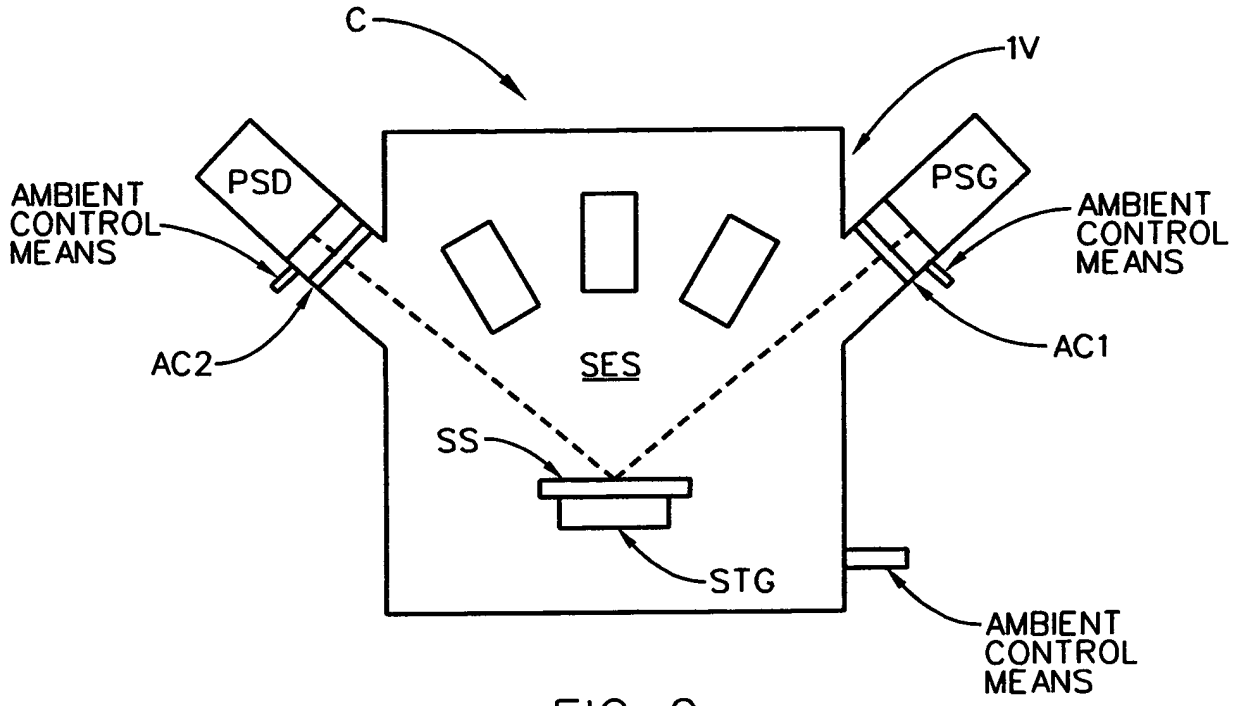

FIG. 2

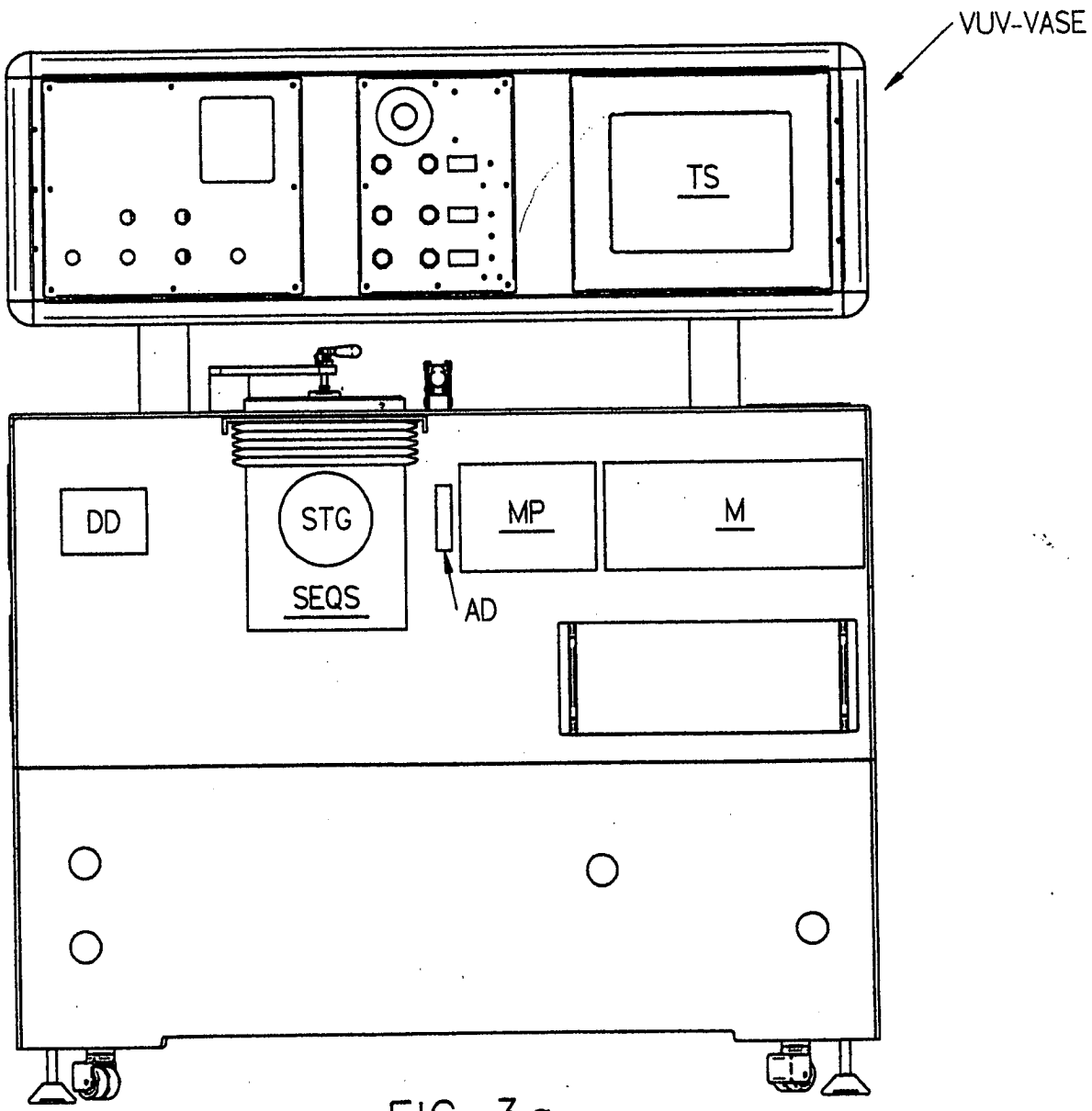

FIG. 3a

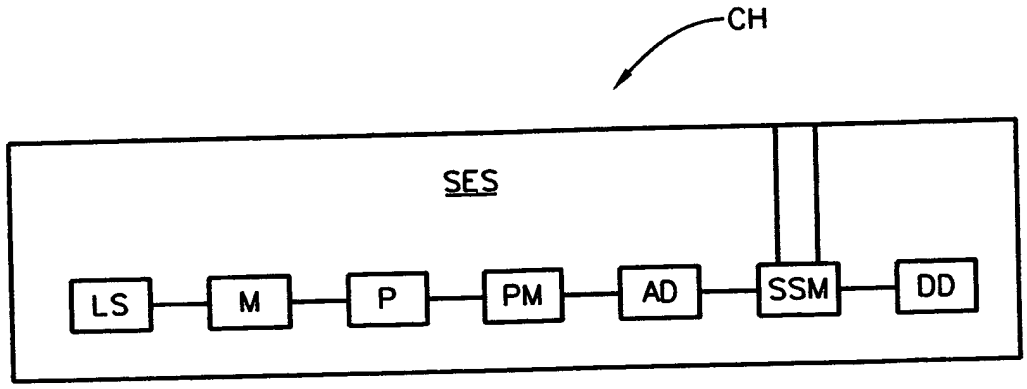
CH
SES
LS
M
P
PM
AD
SSM
DD

FIG. 3b

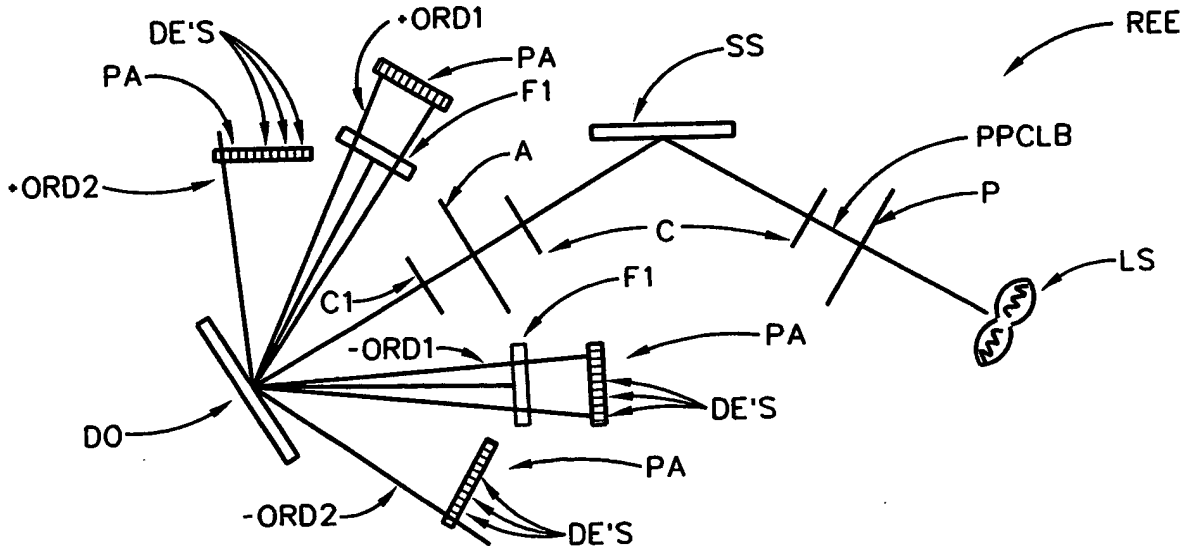
DE'S
PA
+ORD2
+ORD1
PA
F1
A
SS
REE
PPCLB
P
C
LS
C1
F1
-ORD1
PA
DE'S
DO
PA
-ORD2
DE'S

FIG. 4b

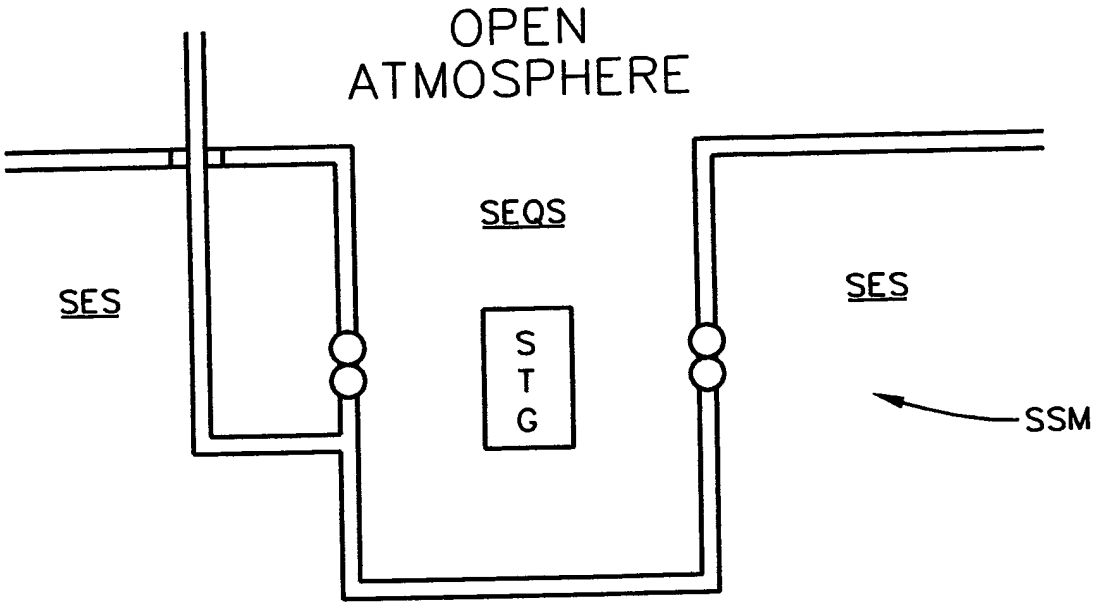

FIG. 3c

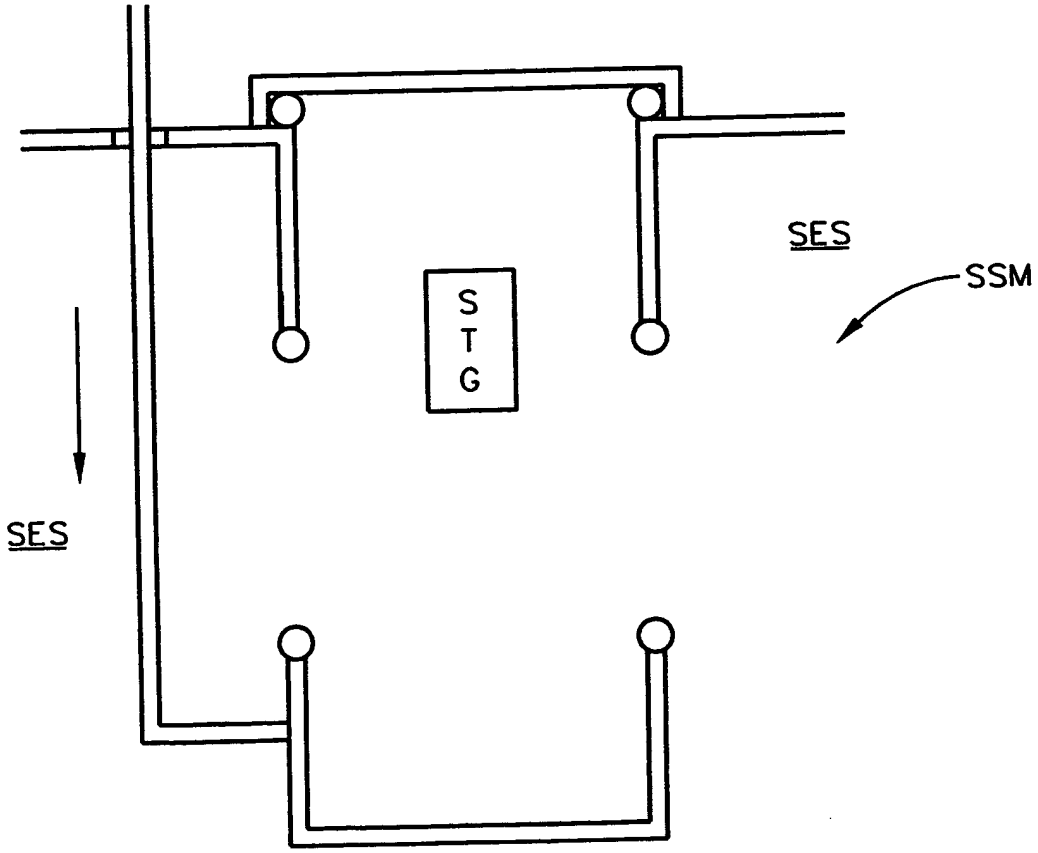

FIG. 3d

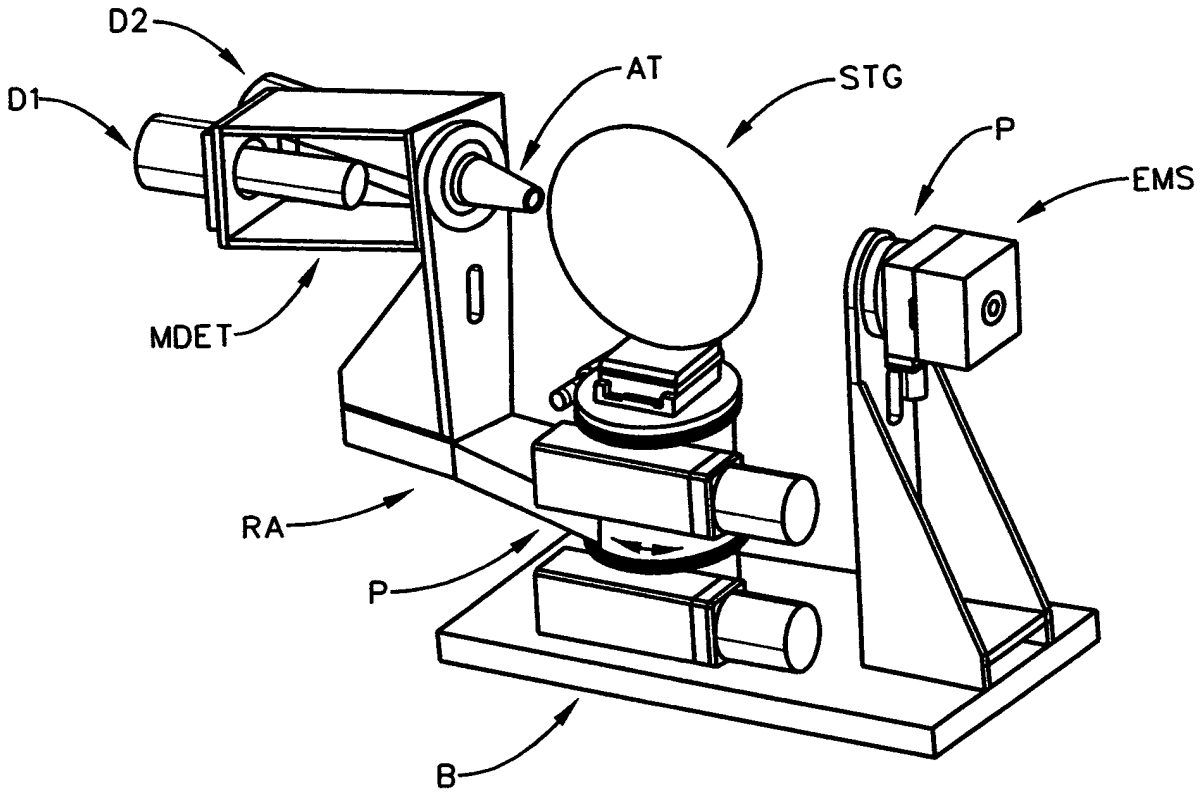
D2
D1
AT
STG
P
EMS
MDET
RA
P
B

FIG. 3e

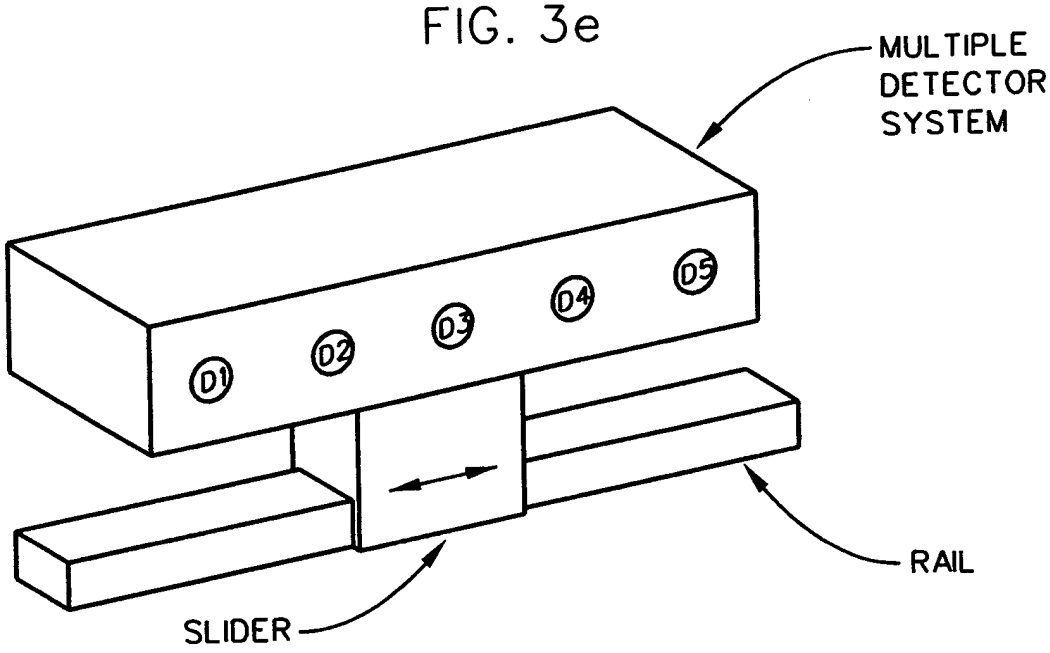
MULTIPLE
DETECTOR
SYSTEM
D1
D2
D3
D4
D5
RAIL
SLIDER

FIG. 3f

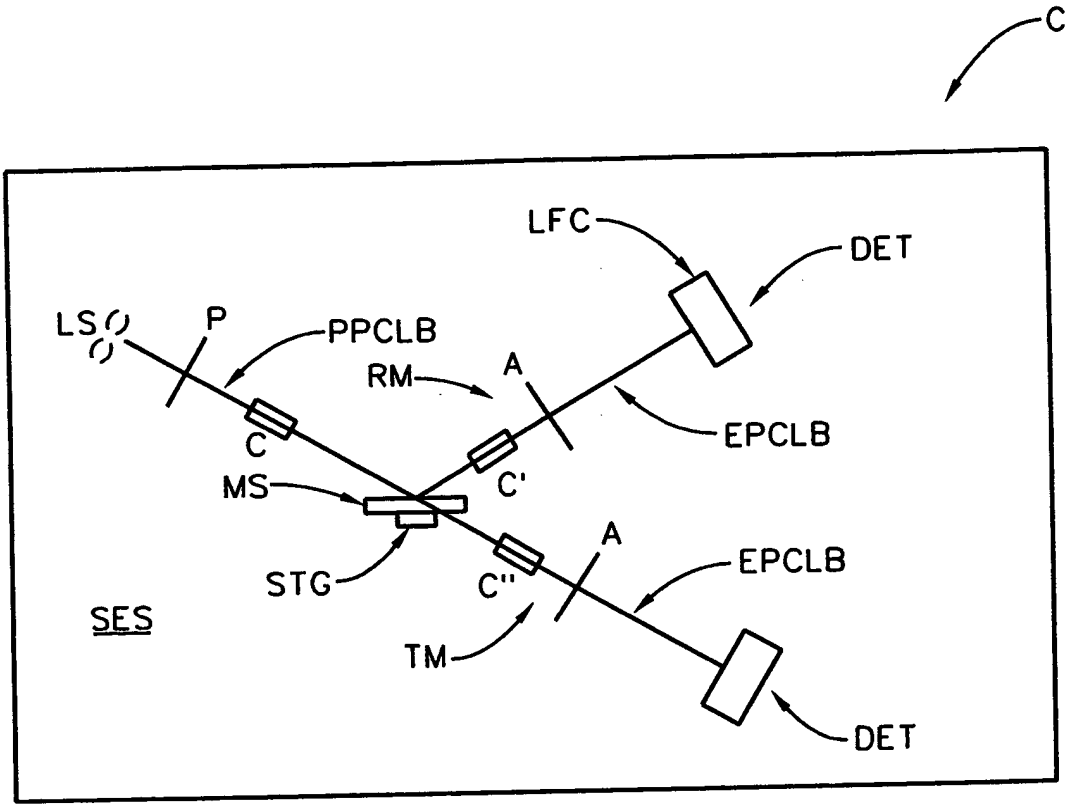

FIG. 4a